



Appl. No. 10/091,833  
Applicant Smith, Richard D., et al.  
Filed 03/05/2002  
Title Method and Apparatus For Multispray Emitter for Mass Spectrometry

TC/A.U. 2881  
Examiner Kalivoda, Christopher M  
  
Docket No. E-13183

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Rule 131 Affidavit**

I, Dean W. Matson hereby declare and state as follows:

I have reviewed the above captioned patent application. I am also listed as co-author in the publication entitled "Generation of Multiple Electrosprays Using Microfabricated Emitter Arrays for Improved Mass Spectrometric Sensitivity", Analytical Chemistry, April 15, 2001, Vol 73, No. 8, American Chemical Society (the "paper"). The methods and apparatus described and claimed in the patent application are the same as those described in the paper. These methods and apparatus were first described to me by my co-authors on the paper, (who are also the named inventors on the patent application), when they requested that I fabricate a chip for use in the device described in both the patent application and the paper. This request occurred prior to both the writing and the publication of the paper. To the best of my knowledge, the methods and apparatus as set forth in the claims originated with the named inventors, and they are the first individuals to conceive of such methods and apparatus. I make no claim to having originated these concepts and ideas. I did fabricate a chip for their use, which was subsequently used in the experiments described in both the patent application and the paper. After the experiments were conducted, the paper was submitted to the journal "Analytical Chemistry", and later published. I was included as co-author in recognition of my contribution in the fabrication of the chip.

signed:

*Dean W. Matson* 5/27/03  
Dean W. Matson

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**Rule 131 Affidavit**

I, Keqi Tang hereby declare and state as follows:

I am listed as an inventor in the above captioned patent application. I am also listed as co-author in the publication entitled "Generation of Multiple Electrosprays Using Microfabricated Emitter Arrays for Improved Mass Spectrometric Sensitivity", Analytical Chemistry, April 15, 2001, Vol 73, No. 8, American Chemical Society (the "paper"). The methods and apparatus described and claimed in the patent application are the same as those described in the paper. The concept(s) for the method and apparatus claimed in the patent application were originally conceived of by Richard D. Smith, Yuehe Lin and myself prior to writing the paper. Together with my co-inventors, the methods and apparatus were then reduced to practice in a series of experiments. These experiments were then described in great detail in the paper which we then submitted to the journal Analytical Chemistry. The journal accepted the paper, and it was subsequently published as the paper. The paper thus provides the most comprehensive description available of our activities reducing the claimed invention to practice. Obviously, all of these activities took place prior to our writing the paper, otherwise, we could not have described them in the paper. The paper, and the experiments described therein, thus provide proof that both our conception and reduction to practice of the invention claimed in the patent application occurred prior to the publication of the paper.

signed:

Keqi Tang

05/27/2003

date

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